

WHAT IS CLAIMED IS:

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1. ~~A method for driving a liquid crystal display device having a demultiplexer unit~~ connected between a data driving circuit and a plurality of data lines on a liquid crystal panel, the demultiplexer unit distributing color data signals from any one of the output terminals of the data driving circuit to the plurality of data lines on the liquid crystal panel, the method comprising:

classifying color data signals to be applied to the demultiplexer unit from the data driver circuit by colors; and

consecutively providing the color data signals having a same color to the data lines by the ~~demultiplexer unit before applying a different color signal.~~

2. The method of claim 1, wherein the color data signal are applied to the data lines on the liquid crystal panel in a combination of sequences of color data signals of red, green and blue.

3. The method of claim 2, wherein the color data signals are applied to the data lines on the liquid crystal panel in a sequence of red, green and blue signals.

4. The method of claim 2, wherein the color data signals are applied to the data lines on the liquid crystal panel in a sequence of green, blue and red signals.

5. The method of claim 2, wherein the color data signals are applied to the data lines on the liquid crystal panel in a sequence of blue, red and green signals.

6. The method of claim 1, wherein the classifying step includes arranging the color data signals having a same color according to a sequence of dot inversion system where each contiguous pixel of the liquid crystal panel has a reverse polarity.

7. The method of claim 1, wherein the demultiplexer unit includes a plurality of demultiplexers.

8. The method of claim 7, wherein each of the plurality of the demultiplexers is connected to at least five data lines on the liquid crystal panel.

9. The method of claim 7, wherein each of the plurality of the demultiplexers is connected to an odd number of data lines.

10. The method of claim 7, wherein each of the plurality of the demultiplexer is connected to a number of data lines in a multiple of six.

11. ~~A liquid crystal display device having a data driving unit and a liquid crystal panel having a plurality of data lines, comprising a demultiplexer unit connected between the data driving circuit and the plurality of data lines on the liquid crystal panel, the demultiplexer unit distributing color data signals from any one of output terminals of the data driving circuit to the plurality of data lines on the liquid crystal panel, the demultiplexer consecutively providing the color data signals having a same color to the data lines before applying a different color signal.~~

12. The liquid crystal display device of claim 10, wherein the color data signal are applied to the data lines on the liquid crystal panel in a combination of sequences of color data signals of red, green and blue.

13. The liquid crystal display device of claim 12, wherein the color data signals are applied to the data lines on the liquid crystal panel in a sequence of red, green and blue signals.

14. The liquid crystal display device of claim 12, wherein the color data signals are applied to the data lines on the liquid crystal panel in a sequence of green, blue and red signals.

15. The liquid crystal display device of claim 12, wherein the color data signals are applied to the data lines on the liquid crystal panel in a sequence of blue, red and green signals.

Same as 5

16. The liquid crystal display device of claim 10, wherein the color data signals are applied to the demultiplexer unit having a same color according to a sequence of a dot inversion system where each contiguous pixel of the liquid crystal panel has a reverse polarity.

Same as 6

17. The liquid crystal display device of claim 10, wherein the demultiplexer unit includes a plurality of demultiplexers.

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Same as 7

18. The liquid crystal display device of claim 17, wherein each of the plurality of the demultiplexers is connected to at least five data lines on the liquid crystal panel.

Same as 8

19. The liquid crystal display device of claim 17, wherein each of the plurality of the demultiplexers is connected to an odd number of data lines.

Same as 9

20. The liquid crystal display device of claim 17, wherein each of the plurality of the demultiplexer is connected to a number of data lines in a multiple of six.

Same as 10